

Response and Amendment under 37 C.F.R. § 1.111

Application No. 09/478,222

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Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claims 1-60. Canceled.

61. (Original) A method for treating female impotence in a female individual in need thereof comprising administering to the female individual a therapeutically effective amount of a composition comprising an S-nitrosothiol compound and a pharmaceutically acceptable carrier.

62. (Canceled)

63. (Original) The method of claim 61, wherein the S-nitrosothiol compound is S-nitroso-N-acetylcysteine, S-nitroso-captopril, S-nitroso-homocysteine, S-nitroso-cysteine or S-nitroso-glutathione.

64. (Original) The method of claim 63, wherein the S-nitrosothiol compound is S-nitroso-glutathione.

65. (Previously Amended) The method of claim 61, wherein the S-nitrosothiol compound is

- (i) $\text{CH}_3(\text{C}(\text{R}_e)(\text{R}_f))_x\text{SNO}$;
- (ii) $\text{HS}(\text{C}(\text{R}_e)(\text{R}_f))_x\text{SNO}$;
- (iii) $\text{ONS}(\text{C}(\text{R}_e)(\text{R}_f))_x\text{B}$; or
- (iv) $\text{H}_2\text{N}-\text{CH}(\text{CO}_2\text{H})-(\text{CH}_2)_x-\text{C}(\text{O})\text{NH}-\text{CH}(\text{CH}_2\text{SNO})-\text{C}(\text{O})\text{NH}-\text{CH}_2-\text{CO}_2\text{H}$;

wherein x is 2 to 20; R_e and R_f are each independently hydrogen, lower alkyl, cycloalkyl, aryl, heteroaryl, arylalkyl, amino, alkylamino, amido, alkylamido, dialkylamino, or carboxy; or R_e and R_f taken together with the carbon atom to which they are attached are carbonyl, cycloalkyl or bridged cycloalkyl; and B is fluoro, $\text{C}_1\text{-C}_6$ alkoxy, cyano, carboxamido, cycloalkyl, arylalkoxy, alkylsulfinyl, arylthio, alkylamino, dialkylamino, hydroxy, carbamoyl, N-alkylcarbamoyl, N,N-dialkylcarbamoyl, amino, hydroxyl, carboxyl, hydrogen, nitro or aryl.

Claims 66 -72. (Canceled.)